



CONDUITS AND FITTINGS

UGS

DUCT MATERIAL AND TYPE MINIMUM REQUIREMENTS

CONDUIT MATERIAL TYPE	PVC EB-35	PVC SCH 40	PVC SCH 80	H.D.G. STD
A. Primary System				
1. Straight Ducts:				
a. Concrete Encased	X			
b. Direct Buried				
- Commercial		X		
- Residential		X		
- 3" Duct		X		
- 4" or larger duct		X		
2. Riser Bends			X	
3. Riser Conduits			X	
4. Horizontal Bends				
a. Concrete Encased		X		
b. Direct Buried		X		
B. Secondary and Communication Systems				
1. Straight Ducts:				
a. Concrete Encased	X			
b. Direct Buried				
- Commercial		X		
- Residential		X		
- 3" Duct		X		
- 4" Duct		X		
2. Riser Bends				
a. Single Family Residential		X		
b. Riser Poles			X	
c. Commercial Building		X		
d. Riser bends ? 2"				X
3. Riser Conduits				
a. Single Family Residential		X		
b. Commercial Building		X		
4. Horizontal Bends				
a. Concrete Encased	X			
b. Direct Buried		X		
C. Street Light				
1. Riser Bends @ Pole less or equal to 2"				X
2. Other Bends		X		
3. Straight Ducts		X		

Notes:

- Sweep minimum radius:
 - Primary duct runs = 12.5'R.
 - Secondary duct runs 4" & larger = 12.5'R.
 - Secondary duct runs 3.5" & smaller = 36"R.
- See UGS-115, 115.1, and UGS-116 for riser bend requirements.
- All end bells, couplings, segments, etc., shall be made of the same material as the conduit to which they are attached.
- Adapters shall be standard types subject to Department approval.
- No materials labeled as "pipe" will be accepted as conduit.
- All schedule 80 bends shall have ends internally beveled.
- Reference Standards are NEMA TC-8 for EB-35, and NEMA TC-2 for Schedule 40 & 80.
- No flex duct or offsets allowed anywhere.